

Figures

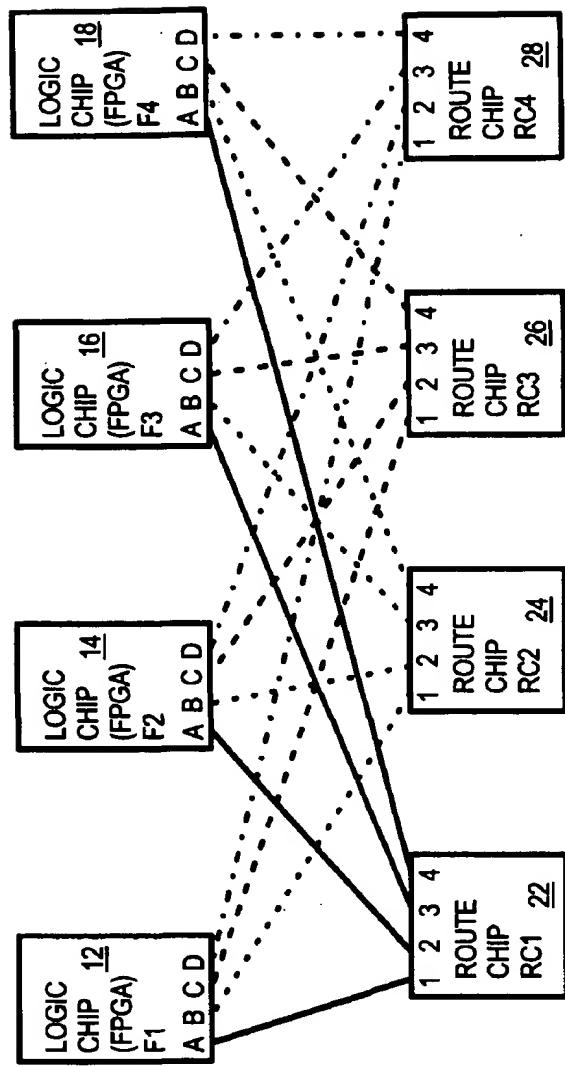


FIG. 1

PRIOR ART

	PIN A	PIN B	PIN C	PIN D
FPGA - F1	RC1	RC2	RC3	RC4
FPGA - F2	RC1	RC2	RC3	RC4
FPGA - F3	RC1	RC2	RC3	RC4
FPGA - F4	RC1	RC2	RC3	RC4

FIG. 2

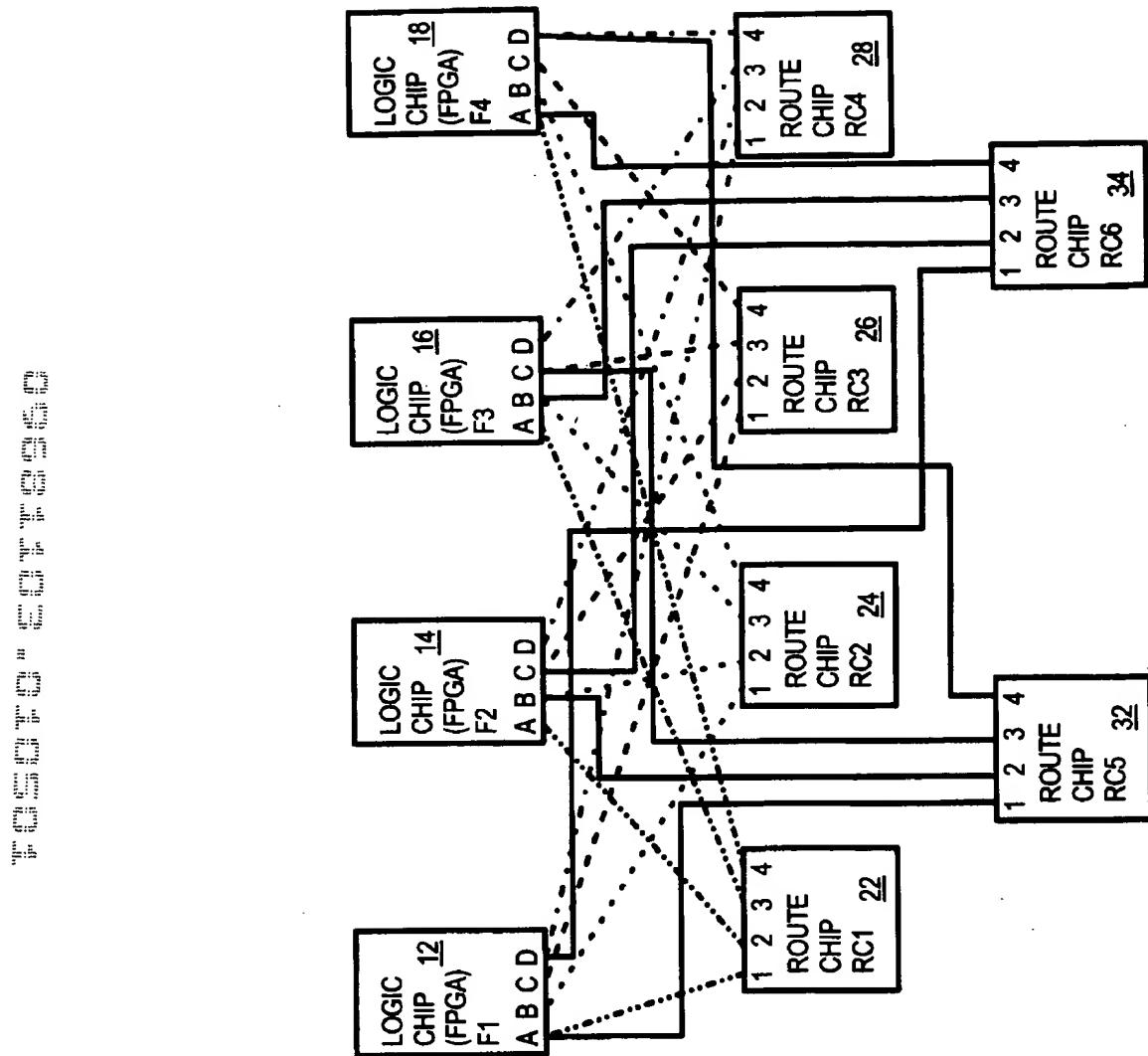
PRIOR ART

PIN A	PIN B	PIN C	PIN D
FPGA - F1	X2-RC2	X3-RC3	X5 X6
FPGA - F2	X1-RC1		X4-RC4
FPGA - F3	X1-RC1	X2-RC2	X3-RC3 X4-RC4
FPGA - F4			

3
FIG.

PRIOR ART

FIG. 4



	PIN A	PIN B	PIN C	PIN D
FPGA - F1	RC1	RC2	RC3	RC4
FPGA - F2	RC1	RC2	RC3	RC4
FPGA - F3	RC1	RC2	RC3	RC4
FPGA - F4	RC1	RC2	RC3	RC4

FIG. 5A

	PIN A	PIN B	PIN C	PIN D
FPGA - F1	RC5	RC6	RC5	RC6
FPGA - F2	RC5	RC6	RC5	RC6
FPGA - F3	RC5	RC6	RC5	RC6
FPGA - F4	RC5	RC6	RC5	RC6

FIG. 5B

	PIN A	PIN B	PIN C	PIN D
FPGA - F1	X5	X2-RC2	X3-RC3	X6
FPGA - F2	X1-RC1	X5	X6	X4-RC4
FPGA - F3	X1-RC1	X2-RC2	X3-RC3	X4-RC4
FPGA - F4				

FIG. 6

Y1: F1-F2
X2: F1-F3
X3: F3-F4
X4: F1-F4
X5: F1-F2
X6: F2-F3
X7: F2-F3

	PIN A	PIN B	PIN C	PIN D
FPGA - F1	X1	X2	X5	X4
FPGA - F2	X1		X5	X6
FPGA - F3	X3	X2		X6
FPGA - F4	X3			X4

FIG. 7

	PIN A	PIN B	PIN C	PIN D
FPGA - F1	X1	X2	X5	X4
FPGA - F2	X1	X7	X5	X6
FPGA - F3	X3	X2	X7	X6
FPGA - F4	X3			X4

FIG. 8

	PIN A	PIN B	PIN C	PIN D
X1: F2-F3				
X2: F2-F3	FPGA - F1	X4	X3	X7
X3: F1-F2				
X4: F1-F3	FPGA - F2	X2	X3	X1
X5: F3-F4				
X6: F1-F4	FPGA - F3	X2	X4	X5
X7: F1-F2	FPGA - F4		X5	X6

PRIOR ART

FIG. 9

	PIN A	PIN B	PIN C	PIN D
FPGA - F1	X7	X4	X3	X6
FPGA - F2	X2	X7	X3	X1
FPGA - F3	X2	X4	X5	X1
FPGA - F4			X5	X6

FIG. 10

Original Shuffled Prior Art

ORIGINAL	SHUFFLED		PIN A	PIN B	PIN C	PIN D
X1: F1-F3	X1: F1-F3	FPGA - F1		X2	X1	X3
X2: F1-F4	X2: F1-F4	FPGA - F2		X4		
X3: F2-F3	X3: F1-F3	FPGA - F3	X5	X4	X1	X3
X4: F3-F4	X4: F2-F3	FPGA - F4	X5	X2		
X5: F2-F3	X5: F3-F4					
X6: F1-F4	X6: F1-F4					

FIG. 11

PRIOR ART

	PIN A	PIN B	PIN C	PIN D
FPGA - F1	X6	X2	X1	X3
FPGA - F2		X4		
FPGA - F3	X5	X4	X1	X3
FPGA - F4	X5	X2		X6

FIG. 12

X1: F4-F5
X2: F4-F5
X3: F2-F5
X4: F4-F5
X5: F4-F5
X6: F2-F5
X7: F2-F5
X8: F2-F5
X9: F2-F4
X10: F2-F4
X11: F2-F4
X12: F2-F4

FIG. 13

PRIOR ART

X1: F4-F5
X2: F4-F5
X3: F2-F5
X4: F4-F5
X5: F4-F5
X6: F2-F5
X7: F2-F5
X8: F2-F5
X9: F2-F4
X10: F2-F4
X11: F2-F4
X12: F2-F4

FIG. 14

	A	B	C	D	E	F	G	H
FPGA - F1								
FPGA - F2	X7	X9	X10	X3	X6	X11	X12	X8
FPGA - F3								
FPGA - F4	X10	X2	X4	X9	X12	X5	X11	
FPGA - F5	X7	X2	X4	X3	X6	X5	X1	X8
FPGA - F6								
FPGA - F7								
FPGA - F8								

FIG. 15

	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
FPGA - F1	R17															R24
FPGA - F2																
FPGA - F3																
FPGA - F4	R18															
FPGA - F5	R17															
FPGA - F6																
FPGA - F7																
FPGA - F8	R18															
FPGA - F9	R17															
FPGA - F10																
FPGA - F11																
FPGA - F12	R18															
FPGA - F13	R17															
FPGA - F14																
FPGA - F15																
FPGA - F16	R18															